

APPENDIX

Changes to Abstract:

The following is a marked-up version of the amended Abstract:

~~—[Problem]—~~ To provide The present invention provides a color transfective liquid crystal display that is capable of display with good coloring and high visibility in both a reflective mode and a transmissive mode while suppressing deterioration in color reproduction caused by unevenness of the spectral properties of the illumination light, if any. The

~~—[Solving Means]—~~ A liquid crystal display ~~according to the present invention comprises~~ can include a liquid crystal display panel including pixels ~~615~~ formed of a plurality of sub-pixels ~~551~~ each corresponding to different colors; and an illumination device, wherein the liquid crystal display panel ~~comprises~~ includes a transfective layer and a color filter ~~522~~ of color corresponding to each of the sub-pixels ~~511~~. The transfective layer ~~comprises~~ includes transmissive portions for transmitting illumination light, wherein the transmissive portion is formed such that the dimension of the transmissive area corresponding to the transmissive portion of at least one sub-pixel out of the plurality of sub-pixels ~~511~~ and the dimension of the transmissive area corresponding to the transmissive portion of another sub-pixel, differ.

Changes to Specification:

A Substitute Specification is attached in accordance with 37 C.F.R. 1.125(b)(2).

Changes to Claims:

Claim 20 is added.

The following is a marked-up version of the amended claims:

~~_____ [Claim 1]—~~ 1. (Amended) A liquid crystal display, comprising:

_____ a liquid crystal display panel formed of liquid crystals sandwiched between a pair of opposing substrates ~~facing each other~~, and including pixels ~~comprising~~ having a plurality of sub-pixels each corresponding to different colors;

_____ an illumination device provided to ~~the~~ an opposite side of ~~the~~ liquid crystal display ~~panel in panel~~ in relation to the an observation side ~~for illuminating that illuminates~~ the liquid crystal display panel with illumination light;

_____ a transfective layer disposed on the opposite side of the liquid crystals in relation to the observation side with a transmissive portion ~~for transmitting that transmits~~ the illumination light formed thereto, ~~wherein the transmissive portion is being~~ formed such that ~~the~~ a first dimension of a transmissive area corresponding to the transmissive portion ~~at of~~ least at one sub-pixel out of the plurality of sub-pixels and ~~the~~ a second dimension of a transmissive area corresponding to the transmissive portion at another sub-pixel, differ; and

_____ a color filter provided corresponding to each of the sub-pixels, ~~for transmitting that transmits~~ light of a wavelength corresponding to a color of each sub-pixel.

_____ ~~[Claim 2]~~ 2. (Amended) A The liquid crystal display according to Claim 1, ~~wherein~~ the dimension of the transmissive area at each sub-pixel ~~is being~~ a dimension according to the spectral properties of the illumination light.

_____ ~~[Claim 3]~~ 3. (Amended) A The liquid crystal display according to Claim 2, ~~wherein~~ the dimension of the transmissive area at each sub-pixel ~~is being~~ a dimension according to the luminance of a wavelength of the illumination light corresponding to a color of the sub-pixel.

_____ ~~[Claim 4]~~ 4. (Amended) A The liquid crystal display according to Claim 3, ~~wherein~~ the dimension of the transmissive area at a sub-pixel of a color corresponding to a wavelength of the illumination light with great luminance ~~is being~~ smaller than the dimension of the transmissive area at a sub-pixel of a color corresponding to a wavelength of the illumination light with small luminance.

_____ ~~[Claim 5]~~ 5. (Amended) A The liquid crystal display according to ~~any one of Claim 1 through Claim 4, wherein~~ the dimension of the transmissive area at each of the sub-pixels differs for each sub-pixel corresponding to a different color.

_____ ~~—[Claim 6]—~~ 6. (Amended) A ~~The~~ liquid crystal display according to ~~any one of Claim 1 through Claim 4~~, wherein the dimension of the transmissive area at each of the sub-pixels ~~differs~~ differing according to ~~the~~ a position of the sub-pixel within ~~the~~ a substrate face of the liquid crystal display panel.

_____ ~~—[Claim 7]—~~ 7. (Amended) A ~~The~~ liquid crystal display according to ~~any one of Claim 1 through Claim 6~~, wherein the transmissive portion ~~is~~ being an opening portion formed in the transfective layer corresponding to each of the sub-pixels.

_____ ~~—[Claim 8]—~~ 8. (Amended) A ~~The~~ liquid crystal display according to Claim 7, wherein the opening portion ~~comprises~~ comprising opening parts of generally the same dimension that are formed mutually separated for the number according to the dimension of the transmissive area at the sub-pixels.

_____ ~~—[Claim 9]—~~ 9. (Amended) A ~~The~~ liquid crystal display according to ~~any one of Claim 1 through Claim 6~~, wherein the transfective layer ~~has~~ having the transmissive portion formed such that an area along at least one side of a plurality of sides defining each sub-pixel serves as the transmissive area.

_____ ~~—[Claim 10]—~~ 10. (Amended) A liquid crystal display, serving as a transfective liquid crystal display which performs displaying by switching between a transmissive mode and a reflective mode, comprising:

_____ a liquid crystal layer sandwiched between an upper substrate and a lower substrate ~~fac~~ opposing one another;

_____ a transfective layer which has a transmissive area ~~for transmitting that~~ transmits light and a reflective area ~~for reflecting that~~ reflects incident light from ~~the~~ an upper substrate side, and which is disposed on ~~the~~ an inner side of the lower substrate;

_____ a color filter disposed on ~~the~~an upper side of the transfective layer, upon which a plurality of pigment layers with different colors according to each of sub-pixels forming a display area are arrayed; and

_____ an illumination device disposed on ~~the~~an outer side of the lower substrate,

_____ ~~wherein~~ the pigment layers ~~are~~being formed over ~~the~~an entirety of an area overlapping the transmissive area in a planar manner and an area overlapping the reflective area in a planar manner, and at least one color pigment layer ~~is~~being formed only at a part of an area overlapping the reflective area in a planar manner,

_____ and ~~wherein~~ ~~the~~a dimension of a pigment layer formation area, where the pigment layers are formed, ~~is~~being formed so as to be different between at least one color pigment layer out of the plurality of pigment layers of differing colors and another color pigment layer.

_____ ~~[Claim 11]~~ 11. (Amended) ~~A~~The liquid crystal display according to Claim 10, ~~wherein~~ the pigment layers ~~comprise~~comprising a red layer, a green layer, and a blue layer, and ~~wherein~~ the dimension of the pigment layer formation area ~~is~~being formed so as to be smaller for the green layer than for the red layer and blue layer.

_____ ~~[Claim 12]~~ 12. (Amended) ~~A~~The liquid crystal display according to ~~either~~ Claim 10 ~~or~~ ~~Claim 11~~, further comprising a transparent film for smoothing ~~the~~a step between the pigment layer formation area and the area where the pigment layers are not provided.

_____ ~~[Claim 13]~~ 13. (Amended) ~~A~~The liquid crystal display according to ~~any one~~ of Claim 10 ~~through~~ ~~Claim 12~~, ~~wherein~~ the transmissive area ~~is~~being formed by the transfective layer being opened in a window-like manner.

_____ ~~[Claim 14]~~ 14. (Amended) ~~A~~The liquid crystal display according to ~~any one~~ of Claim 10 ~~through~~ ~~Claim 12~~, ~~wherein~~ band-shaped transparent electrodes ~~are~~being disposed on the inner side of the lower substrate, and ~~wherein~~ the transmissive area of a band

shape ~~is-being~~ formed in the transfective layer by having ~~the-a~~ transparent electrode pattern width ~~bethat is~~ formed wider than ~~the-a~~ transfective layer pattern width.

_____~~-[Claim 15]-~~15. (Amended) ~~A-The~~ liquid crystal display according to ~~any one~~ of Claim ~~1110 through Claim 14~~, wherein the transfective layer ~~is-being~~ formed of at least one of aluminum or-and an aluminum alloy, and the pigment layer ~~eontains-containing~~ the blue layer, and ~~wherein~~ the dimension of the pigment layer formation area ~~is-being~~ provided so as to be smaller for the blue layer than for the red layer.

_____~~-[Claim 16]-~~16. (Amended) ~~A-The~~ liquid crystal display according to ~~any one~~ of Claim ~~1110 through Claim 14~~, wherein the transfective layer ~~is-being~~ formed of at least one of silver or-and a silver alloy, and the pigment layer ~~eontains-containing~~ the red layer and the blue layer, and ~~wherein~~ the dimension of the pigment layer formation area ~~isbeing~~ provided so as to be smaller for the red layer than for the blue layer.

_____~~-[Claim 17]-~~17. (Amended) ~~A-The~~ liquid crystal display according to ~~any one~~ of Claim ~~10 through Claim 16~~, wherein the color properties of the color filter ~~are-being~~ adjusted by changing the dimension of the pigment layer formation area.

_____~~-[Claim 18]-~~18. (Amended) A liquid crystal display, serving as a transfective liquid crystal display which performs displaying by switching between a transmissive mode and a reflective mode, comprising:

_____ a liquid crystal display panel formed of a liquid crystal layer sandwiched between aan upper substrate and lower substrate ~~facing-opposing~~ each other, and including pixels that ~~comprise-have~~ a plurality of sub-pixels each corresponding to different colors and form a display area; and

_____ an illumination device provided to ~~the-an~~ opposite side of the liquid crystal display panel in relation to ~~the-an~~ observation side ~~for illuminating-that illuminates~~ the liquid crystal display panel with illumination light;

_____ a transfective layer disposed on ~~the~~an opposite side of the liquid crystal layer in relation to the observation side; and

_____ a color filter provided above the transfective layer with a plurality of pigment layers of different colors corresponding to each of the sub-pixels arrayed thereupon, ~~for transmitting that transmits~~ light of a wavelength corresponding to a color of the sub-pixel,

_____ ~~wherein a transmissive portion for transmitting that transmits~~ the illumination light ~~is being~~ formed on the transfective layer ~~that comprises includes~~ a transmissive area ~~for transmitting that transmits~~ light and a reflective area ~~for reflecting that reflects~~ incident light from ~~the an~~ upper substrate side,

_____ and ~~wherein~~ the transmissive portion ~~is being~~ formed such that ~~the a~~ first dimension of the transmissive area corresponding to the transmissive portion at least at one sub-pixel of the plurality of sub-pixels and ~~the a second~~ dimension of the transmissive area corresponding to the transmissive portion at another sub-pixel, differ,

_____ and ~~wherein the~~ pigment layers of each color are formed over ~~the an~~ entirety of an area overlapping the transmissive area in a planar manner and an area overlapping the reflective area in a planar manner, and at least one color pigment layer ~~is being~~ formed only at a part of an area overlapping the reflective area in a planar manner,

_____ and ~~wherein the a~~ dimension of a pigment layer non-formation area where the pigment layer is not formed at least at one sub-pixel of the plurality of sub-pixels and the dimension of a pigment layer non-formation area at another sub-pixel, differ.

_____ ~~[Claim 19] 19.~~ (Amended) ~~Electronic~~ An electronic apparatus, comprising the liquid crystal display according to ~~any one of Claim 1 through Claim 18.~~